

TCL-LC

overview

- ◆ monitoring one or two levels of conductive liquids
- ◆ LED indicators for power supply and output relay
- ◆ fixed switching levels with 20 kOhm and 60 kOhm
- ◆ 22.5mm DIN rail mount housing



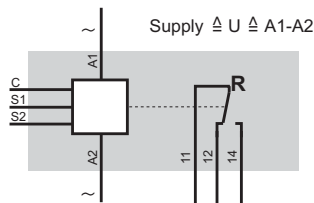
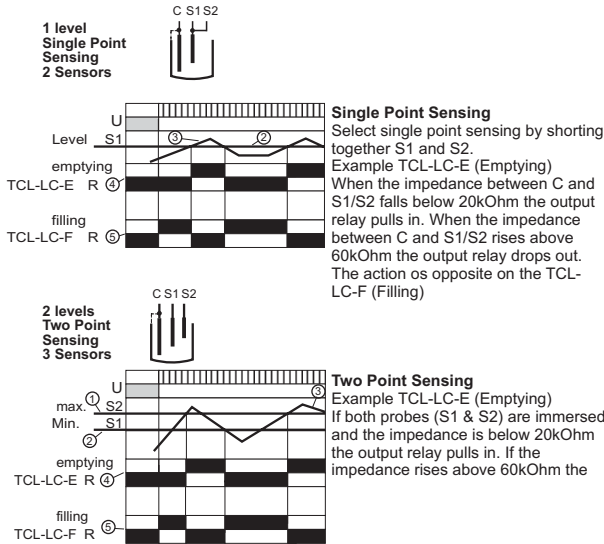
Function

- Control relay active
- Control relay passive
- Contact closed
- Contact open

- ① Max. level
- ② Min. level
- ③ Monitored level
- ④ Output relay, emptying function
- ⑤ Output relay, filling function

Control relay to monitor the level of conductive liquids

The TCL-LC works by comparing the impedance between the probes in a conductive media and depending on the function and the current state at the probes changes over the output relay.



specification

supply voltage variation	nominal voltage +10% / -10%
frequency range	48 - 63 Hz
duty cycle	100%
delay time	< 300ms
reset time	< 300ms
max. measuring voltage	< 7V~
max. measuring current	< 1mA
probes	cable length max. 100m
output relay specification	max. 12A 230V~
	U _e /I _e AC-15 120V/2A 240V/2A
	U _e /I _e DC-13 24V/1,5A
expected life time	
	mechanical 1 x 10 ⁷ operations
	electrical 1 x 10 ⁵ operations
screws	pozidrive 1
screw tightening torque	0,6...0,8Nm
operating conditions	-20 to +60 °C non condensing

* EN 60947-5-1 VDE 0435

ordering information

part no.	supply	output	supp. galv. iso..*	FA	Gehäusetype
TCL-LC-E 230Vac	230V~ 2,5VA	SPCO	yes	-	B
TCL-LC-E 115Vac	115V~ 2,5VA	SPCO	yes	-	B
TCL-LC-E 24Vac	24V~ 2,5VA	SPCO	yes	-	B
TCL-LC-F 230Vac	230V~ 2,5VA	SPCO	yes	-	B
TCL-LC-F 115Vac	115V~ 2,5VA	SPCO	yes	-	B
TCL-LC-F 24Vac	24V~ 2,5VA	SPCO	yes	-	B

TCL-LC with DPCO on request

* The measurement in/out is galvanically isolated from the power supply.